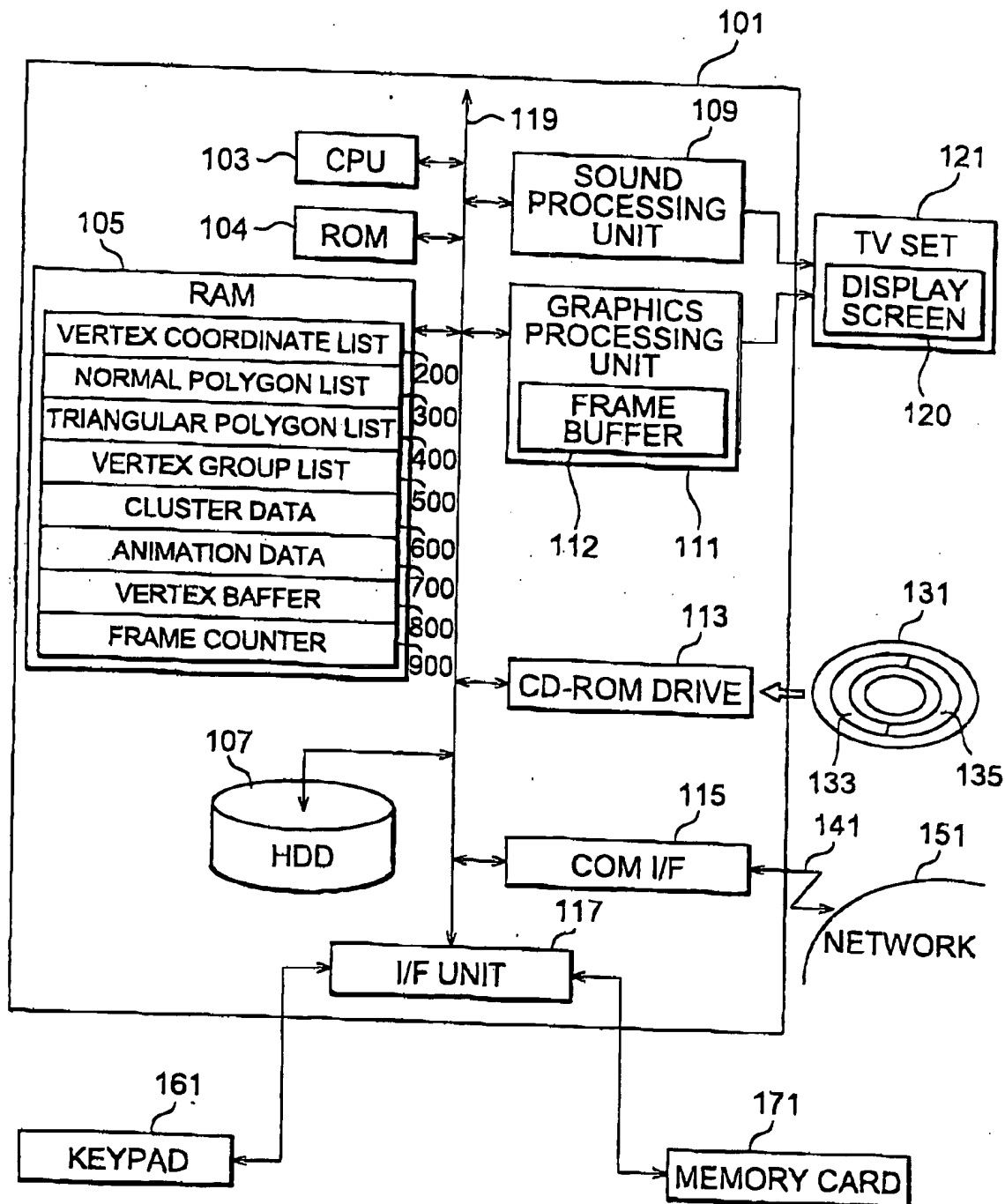


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Jc841 U.S. PTO
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01/26/01**Fig. 1**

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Fig.2

210 200 220

INDEX	COORDINATES (x,y,z)
vtx0	(-8, 1, -2)
vtx1	(-5, 4, 2)
vtx2	(-5, 0, 0)
vtx3	(5, 0, 0)
vtx4	(5, 4, 2)
vtx5	(8, 1, -2)
⋮	⋮

Fig.3

310 300 320

INDEX	NORMAL VECTOR (x,y,z)
nm10	(1, 0, 0)
nm11	(-1, 0, 0)
nm12	(0, 0, -1)
nm13	(-1, -1, 0)
nm14	(0, -1, 0)
⋮	⋮

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Fig.4

400

410 INDEX	420 VERTEX0	430 VERTEX1	440 VERTEX2
plg0	vtx0 / nml0	vtx1 / nml2	vtx2 / nml3
plg1	vtx0 / nml1	vtx2 / nml3	vtx3 / nml4
⋮	⋮	⋮	⋮

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Fig.5

500

510	NUMBER OF GROUPS			3	
520	NUMBER OF VERTEXES			6	
530	VERTEX	vtx0	WEIGHT	0.5	540
532	VERTEX	vtx1	WEIGHT	1.0	542
534	VERTEX	vtx2	WEIGHT	1.0	544
536	VERTEX	vtx3	WEIGHT	1.0	546
538	VERTEX	vtx4	WEIGHT	1.0	548
539	VERTEX	vtx5	WEIGHT	0.5	549
522	NUMBER OF VERTEXES			2	
550	VERTEX	vtx4	WEIGHT	0.3	560
552	VERTEX	vtx6	WEIGHT	0.2	562
524	NUMBER OF VERTEXES			1	
554	VERTEX	vtx7	WEIGHT	0.5	564

VERTEX GROUP 0

VERTEX GROUP 1

VERTEX GROUP 2

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Fig.6

600

610	NUMBER OF CLUSTERS	2	
620	CLUSTER INDEX	clust 0	clust 0
622	REF PARALLEL MOVEMENT AMOUNT (x,y,z)	(0,0,0)	
624	NUMBER OF VERTEX GROUPS	2	
626	VERTEX GROUP ID	3	
628	VERTEX GROUP ID	2	
630	CLUSTER INDEX	clust 1	clust 1
632	REF PARALLEL MOVEMENT AMOUNT (x,y,z)	(0,0,0)	
634	NUMBER OF VERTEX GROUPS	1	
636	VERTEX GROUP ID	0	

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Fig.7A

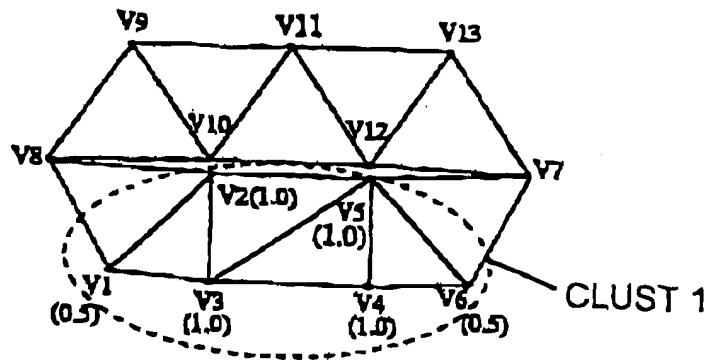
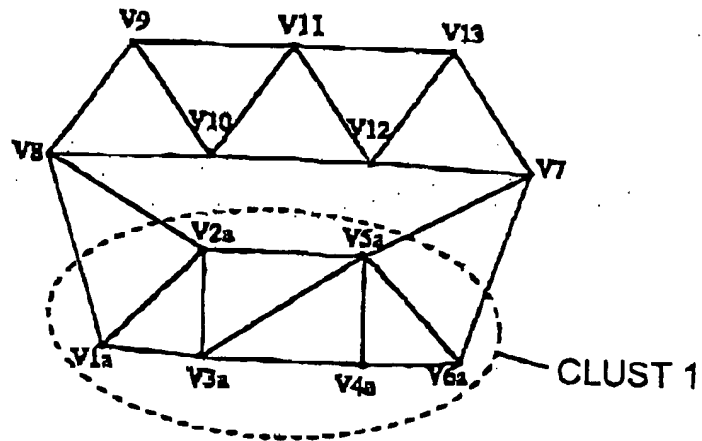
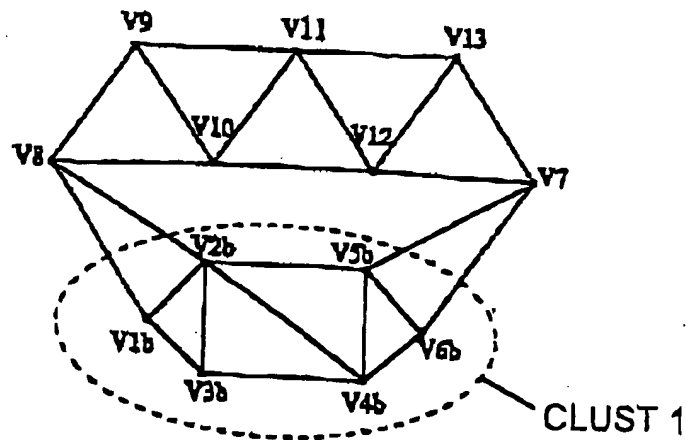
710		720		700A
NUMBER OF CLUSTERS		NUMBER OF FRAMES		
2		10		

Fig.7B

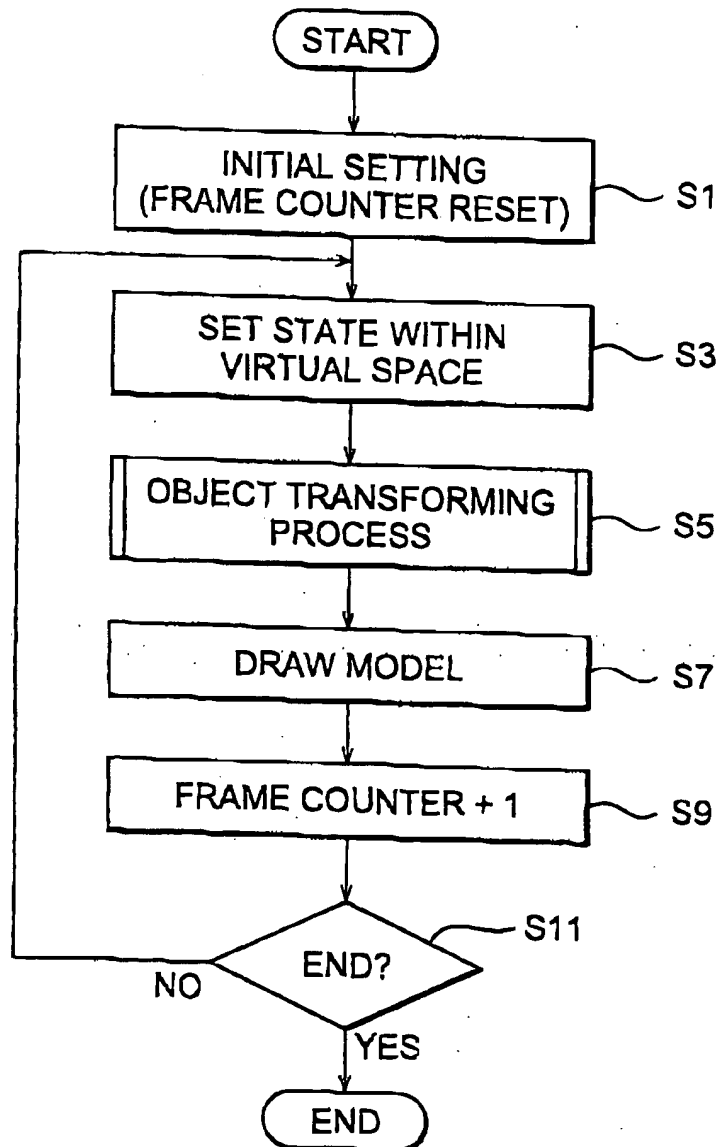
The diagram illustrates a data structure 700, which is a table with two main columns: 'CLUSTER INDEX' and 'PARALLEL MOVEMENT AMOUNT (x,y,z)'. The table is organized into rows corresponding to different frames. The first two rows (CLUST 0 and CLUST 1) are grouped under 'FRAME 0'. The next two rows (CLUST 0 and CLUST 1) are grouped under 'FRAME 1'. This pattern continues, with the final two rows (CLUST 0 and CLUST 1) grouped under 'FRAME 9'. The movement amounts are given as (x,y,z) coordinates. For example, in FRAME 0, CLUST 0 has a movement of (0,0,0) and CLUST 1 has a movement of (0,0,0). In FRAME 1, CLUST 0 has a movement of (1,0,0) and CLUST 1 has a movement of (-1,0,0). In FRAME 9, CLUST 0 has a movement of (10,5,1) and CLUST 1 has a movement of (-12,0,0). The table is labeled with 730 for the first column, 740 for the second column, and 700B for the entire structure. The overall structure is labeled 700.

CLUSTER INDEX	PARALLEL MOVEMENT AMOUNT (x,y,z)	FRAME
CLUST 0	(0,0,0)	FRAME 0
CLUST 1	(0,0,0)	
CLUST 0	(1,0,0)	FRAME 1
CLUST 1	(-1,0,0)	
⋮	⋮	
CLUST 0	(10,5,1)	FRAME 9
CLUST 1	(-12,0,0)	

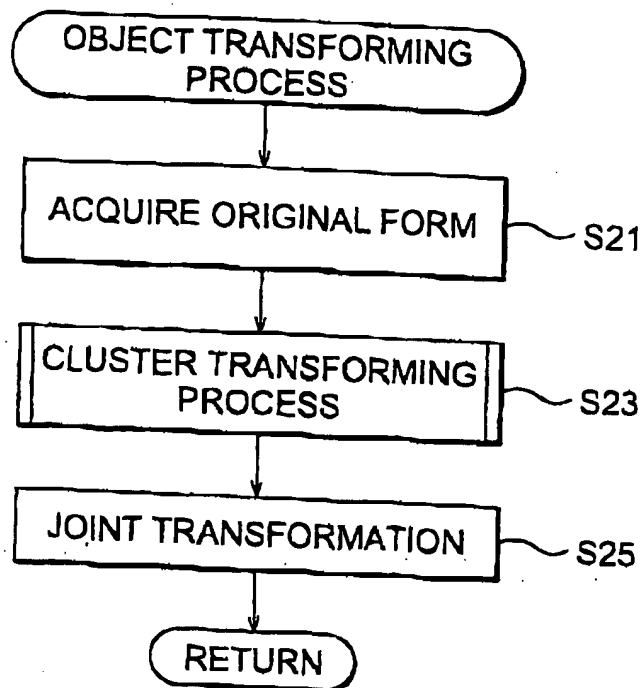
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Fig.8A**Fig.8B****Fig.8C**

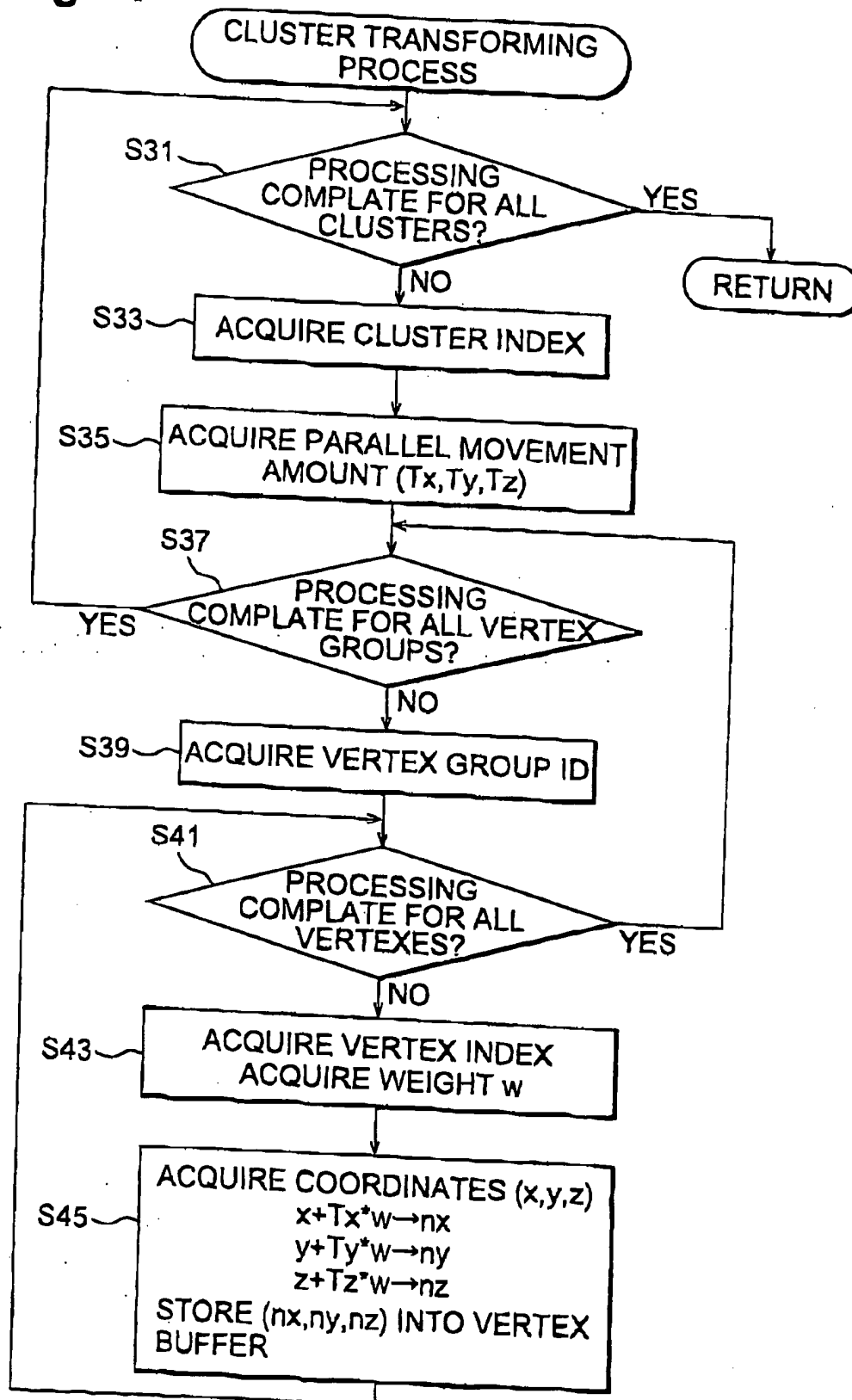
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Fig.9

FP00-0103-00

Fig.10

FP00-0103-00

Fig.11

FP00-0103-00

Fig.12

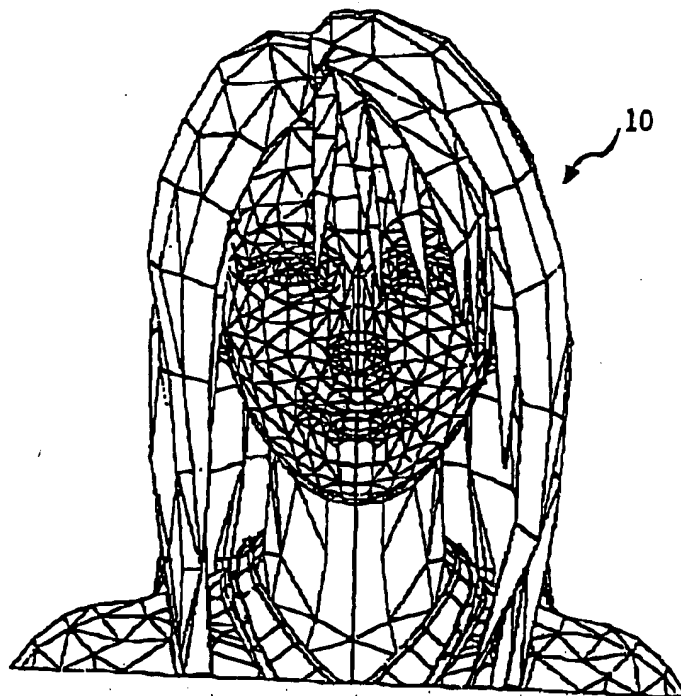
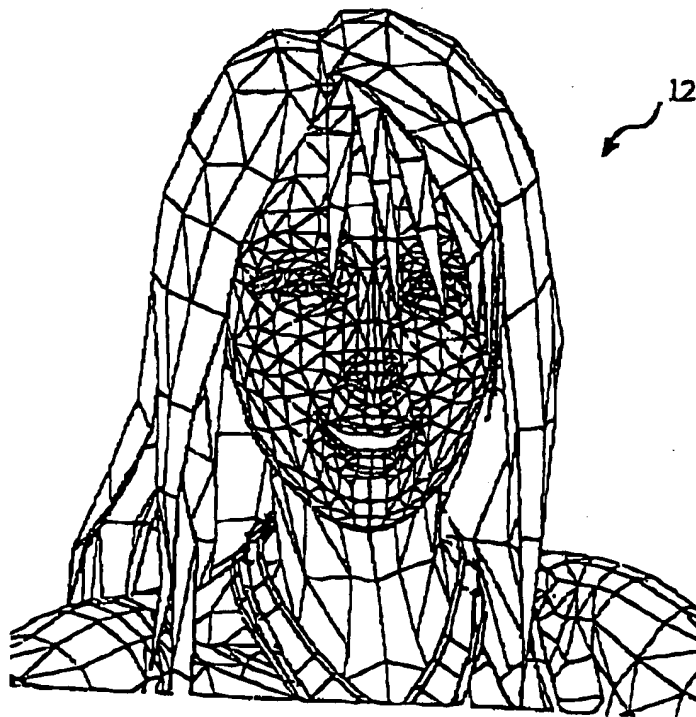


Fig.13



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Fig.14



120

Fig.15



120